TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION Effective July 1, 2011
WIN-630

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **April 2012**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

WV Wood Direct Set Window, Non-impact Resistant
manufactured by

Lincoln Wood Products, Inc.
1400 W. Taylor Street
Merrill, Wisconsin 54452
(715) 536-2461

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The WV (vinyl) clad direct set window is a wood window. The WV (vinyl) clad wood direct set windows evaluated in this report are individual, non-impact resistant windows. This product evaluation report is for WV (vinyl) clad wood direct set windows based on the following tested constructions:

General Description:

System	Description	Label Rating
1	WV Wood Direct Set Window	FW-C50 72 x 72
2	WV Wood Direct Set Window	FW-C45 86 x 96

Product Dimensions:

System	Overall Size
1	72" x 72"
2	86" x 96"

Glazing Description:

System	Glass Construction [1]	Glazing Method [2]
1	IG-1	GM-1
2	IG-2	GM-1

Note: [1] See the "Glass Construction Key" for the glazing construction.
[2] See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{3}{16}$" annealed glass lites separated by a desiccant-filled plastic and aluminum spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

IG-2: The window contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two $\frac{1}{4}$" fully tempered glass lites separated by a desiccant-filled aluminum spacer system. The glass thickness and type used in the insulating glass unit of the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is set from the interior against structural silicone backbedding. Wood glazing stops secure the insulating glass units in place from the interior. The wood glazing stops are secured to the frame with brads spaced 4 to 6 inches on center.

Frame Construction: The frame head, sill, and jambs consist of molded pine sections. The frame corners are mitered and secured with staples and screws.

Vinyl Cladding: The extruded vinyl cladding at the exterior is miter cut, welded corner construction, and snap-fit to the wood frame members.

Product Identification: A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's name; product name: **WV Direct Set**; performance characteristics; the approved inspection agency (AAMA); and the applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	72	72	$\pm$ 50
2	86	96	$\pm$ 45

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation:

System 3: The window shall be fastened to minimum Southern Yellow Pine dimension lumber using the integral nailing flange at the head, sill, and side jambs of the window frame. The nailing flange shall be secured to the wall framing with 2" long roofing nails (minimum 12 gauge smooth shank diameter). The fasteners shall be spaced approximately 4 inches from each corner and approximately

4 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members. The nailing flange is silicone sealed to the window frame.

System 2: The window shall be fastened to minimum Spruce-Pine-Fir dimension lumber using the integral nailing flange at the head, sill, and side jambs of the window frame. The nailing flange shall be secured to the wall framing with 2" long roofing nails (minimum 12 gauge smooth shank diameter). The fasteners shall be spaced approximately 6 inches from each corner and approximately 8 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members. The nailing flange is silicone sealed to the window frame.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.